



What is claimed is:

Claims 1-11 (canceled)

Claim 12 (new): An electronically controlled trap for trapping small animals comprising:

- (a) an enclosure having a roof, side walls, a base and a partition that divides said enclosure into an accessible front chamber and a restricted rear chamber
- (b) a pivoting U-shaped bail rotatable up to a set position near said roof and rotatable down to a tripped position near said base vertically centered near and parallel to said partition within said front chamber
- (c) a U-shaped cocking yoke pivotally movable from a cocked/tripped position to a setting position pivoting around the same axis as said bail, moveable about said enclosure, said trap may be emptied and reset easily and safely by moving said cocking yoke thereby avoiding contact with trapped small animal
- (d) at least one spring with a first end coupled to said bail and a second end coupled to said cocking yoke such that said bail is urged to pivot with said cocking yoke

- (e) a release device that is manually movable to a not released position holding said bail in said set position
- (f) an electronic means of moving said release device to a released position thereby releasing said bail to move to said tripped position
- (g) a changeable biasing means acting on said bail
- (h) an electronic means of disabling said trap when there is a danger that said trap may harm birds
- (i) an electronic means for sensing when a small animal is positioned where said trap will be effective
- (j) an electronic means of sensing that said trap has been tripped
- (k) an electronic means of sending a signal indicating that said trap has tripped

Claim 13 (new): The electronically controlled trap of claim 12 further includes a cut out area in said partition forming a short dead end tunnel.

Claim 14 (new): The trap of claim 13 wherein the tunnel further includes at least one light emitting diode on a first side of said short dead end tunnel sending a beam of light across said short dead end tunnel and at least one phototransistor on a second side of said short dead end tunnel detecting said beam of light, bait is placed within said short dead end tunnel, said phototransistor will sense if said beam of light is blocked.

Claim 15 (new): The electronically controlled trap of claim 12 wherein said changeable biasing means further includes said cocking yoke movable from said setting position to said cocked/tripped position, when said cocking yoke is in said setting position there will be a weak bias urging said bail up, when said cocking yoke is in said cocked/tripped position there will be a stronger bias urging said bail down.

Claim 16 (new): The electronically controlled trap of claim 12 further includes a cocking yoke locking pin to lock said cocking yoke in said cocked/tripped position.

Claim 17 (new): The electronically controlled trap of claim 12 wherein said release device is pivotally mounted near said partition and close to said roof and is moveable to said not released position with a first most forward end of said release device down and a second most rearward end of said release device up, is moveable to said released position with said first most forward end of said release device up and said second most rearward end of said release device down and includes a retention pin on said first most forward end of said release device for holding and releasing said bail.

Claim 18 (new): The electronically controlled trap of claim 12 wherein said means of changing said release device from said not released position to said released position, further includes a device selected from a list including a low power solenoid.

Claim 19 (new): The electronically controlled trap of claim 12 wherein said means of sensing that a small animal to be trapped is positioned where the trap will be effective consists of at least one light emitting diode and at least one phototransistor working together.

Claim 20 (new): The electronically controlled trap of claim 12 wherein means of disabling said trap during daylight hours to prevent harm to birds includes a phototransistor to detect daylight and disable said trap.

Claim 21 (new): The electronically controlled trap of claim 12 wherein said means of sending a signal indicating said trap has tripped includes a device selected from a list including piezoelectric transducer and light emitting diode.

Claim 22 (new): The electronically controlled trap of claim 12 wherein said means of sensing that said trap has been tripped further includes an infrared light emitting diode and an infrared phototransistor working together to detect that said release device has moved from said not released position to said released position.